

ABSTRACT

An implantable medical device, such as a stent, having roughened areas on an inner surface of the device for enhancing frictional contact between the medical device and a delivery system, such as a balloon catheter to secure the medical device to the delivery system during delivery of the medical device to a body lumen of a patient. Various methods for forming the roughened areas are also provided. The roughened areas may be coated with a material, such as a non-thrombogenic material, to enhance the compatibility of the inner surface of the medical device with fluid flowing through the vessel lumen of the patient.

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